

PHIL CARSTENS

Cannabis Cultivator

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SUMMARY

A passionate cultivator with 8+ years of experience in California's legacy cannabis industry. Has grown over 300 pounds of premium flower in indoor, greenhouse, and outdoor environments using organic and synthetic inputs in both living soil and soilless mediums. Experienced in nearly every aspect of cannabis production including propagation, cultivation, processing, manufacturing, product development, branding, marketing, and sales.

EDUCATION

Bachelor of Science

Real Estate

Arizona State University

📅 2006-2009 📍 Mesa, AZ

SKILLS

- Pruning
- Harvesting
- Pest Management
- Cloning
- Environment Control
- Cleanliness
- Record Keeping
- Construction
- Graphic Design
- Web Design
- Communication
- Customer Service
- Research
- Problem Solving

WORK EXPERIENCE

Owner, Head Grower

Indoor Cannabis Cultivation Operation

📅 April 2019 - December 2022 📍 South Lake Tahoe, CA

- Used construction knowledge to completely frame and build sealed cultivation room containing 8 dimmable 680 watt LED light fixtures
- Used climate controller and multiple sensors to optimize room conditions with high efficiency dehumidifier, 3 ton mini split AC unit, and CO2 tank
- Incorporated two rolling trays to maximize canopy and comfort of work area
- Grew 60 plants in 7 gallon containers using peat and perlite-based soilless mix
- Mixed a combination of synthetic and organic liquid nutrients in a 100 gallon reservoir and hand-fed plants after ensuring proper pH levels were achieved
- Developed an integrated pest management (IPM) program to minimize pest pressure through use of organic preventative sprays and proper pest identification using a compound microscope
- Developed written guidelines to delegate garden tasks to assistants when necessary and performed video check-ins to provide further instructions and troubleshooting to make sure quality control procedures were followed
- Managed trimming and processing to ensure highest quality of finished product
- Grew over 100 pounds of premium flower material in five rounds with no losses due to pests, diseases, or mold

Owner, Head Grower

Ancient Greens Farm

📅 March 2016 - March 2019 📍 Nevada City, CA

- Managed cultivation of 3,000 sqft of cannabis canopy in greenhouse and outdoor raised beds
- Managed construction of 24' x 24' Forever Flowering light deprivation greenhouse with automated roof vent, curtains, and supplemental lighting
- Germinated and sexed nearly 100 cannabis seeds with 95% germination rate
- Weekly brewed large batches of compost teas and sprouted seed teas for root drenches and foliar feeding applications
- Experimented with tissue culture micropropagation and achieved some success
- Manufactured rosin and coconut oil concentrates to process into a line of medicinal tinctures and salves
- Branded bags of flowers with self designed and printed labels incorporating test results to aid in sales showings
- Called and visited dozens of dispensaries to sell cannabis flowers on gray market

Cultivation Assistant

Indoor Cannabis Cultivation Operation

📅 January 2015 - February 2016 📍 South Lake Tahoe, CA

- Assisted with cultivation of peat-based potted plants in small 4 light room
- Learned basics of cloning, transplanting, climate control, pruning, Screen of Green trellising, and following a feeding schedule
- Assisted with all harvest duties and learned basics of drying, curing, and processing

AFFILIATIONS

- Nevada County Grown - Member, Graphic Designer, Advisor (2016-2020)
- Nevada County Cannabis Alliance - Member, Graphic Designer (2016-Present)